

2008 Governor's Award for Pollution Prevention

Anheuser-Busch Inc., Merrimack Facility

Anheuser-Busch Inc. Merrimack Facility is engaged in brewing, packaging and shipping malt beverages. Anheuser-Busch Inc. installed a Bio-Energy Recovery System (BERS) anaerobic digester to pre-treat brewery wastewater and to produce biogas for use as a supplemental fuel. The objective of this project is to reduce costs associated with Anheuser-Busch's on-site wastewater pretreatment processes and the subsequent off-site treatment by the town of Merrimack wastewater treatment facility. Upon implementing the project the company reduced boiler fossil fuel purchases and their resultant air emissions, and enabled shutting down process equipment that was labor intensive and energy inefficient.

Anheuser-Busch has also provided benefits to the community of Merrimack. Anheuser-Busch and the town have cooperatively worked together to resolve environmental and financial issues related to wastewater treatment. They created a win-win arrangement that enabled the construction of a BERS anaerobic digester wastewater pretreatment system that benefits both parties with reduced operating costs, reduced air emissions and less odor.

Its award-winning environmental improvement projects:

- Reduced emissions by 178 metric tons.
- Energy reduction was 1,024,000 kWh.
- Net fuel savings of 91,000 MMBtu.

They saved approximately \$2.3 million per year.

Anheuser-Busch was a 2002 Honorable Mention Governor's Award winner implementing a new energy-efficient heating, ventilating, and air conditioning (HVAC) system to replace an aged existing system. To see their other projects please e-mail nhppp@des.nh.gov.



From Left to Right:
NHDES Commissioner Thomas Burack; Jackie Hamel, Sr. Assistant Brewmaster; Roland Vance, EHS&S Resident Manager; Tom Blake, EHS&S Manager (Environmental); NH Governor John Lynch; John Mills, Plant Manager; Mike Beck, Resident Engineer; and Jeff Anderson, Business Manager

Southeastern Container, Hudson

Southeastern Container in Hudson produces 20 oz. and 2 liter plastic bottles for Coca-Cola bottling facilities in the Northeast. Southeastern Container has initiated a "Plant Environmental Program," which is part of their corporate strategy to reduce the plant's environmental footprint in the areas of energy, raw material



From Left to Right:
NHDES Commissioner Thomas Burack; John Fischer, General Manager; NH Governor John Lynch; and John Palermo, SEC Chairman of the Board

and natural resource usage.

Its award-winning environmental improvement projects:

- As part of this program the bottling raw material usage from January 2008 to May 2008 was reduced by 1,946,000 pounds.
- In 2008 Southeastern Container saved 1,947,247 lbs of CO₂ (equivalent to 113,961 gallons of oil) from being emitted to the atmosphere by replacing older equipment with newer more energy efficient models.
- By replacing the equipment energy consumption was reduced by 1,651,609 kWh.
- Solid waste disposal was reduced by reusing and recycling plastic disposable cargo airbags (1,404 bags a year), cardboard boxes (10,000 lbs.), PET plastic strapping (18,000 lbs) and plastic LDPE wrap (1,000 lbs.).

Through these projects, the company saved approximately \$1.9 million per year. Also, the costs encumbered with implementing these projects are estimated to be paid back in one year.

Southeastern Container was a 2007 Honorable Mention Governor's Award winner for their air recovery system and bottling production process changes.

Honorable Mention

FCI USA Inc. – Lincoln

- FCI USA Inc. in Lincoln is a manufacturer of electrical connectors for the electrical power generation and distribution industries.
- The company instituted best management practices throughout the manufacturing floor and maintenance departments that resulted in savings in many different categories.
- These projects included: eliminating the metal softening process on some products; procuring new state-of-the-art cutting equipment that resulted in improved yield of raw materials; and using mechanical methods rather than chemical methods when de-scaling copper products.

These projects have saved the company 15,601 pounds of raw materials, 633,055 kWh of electricity and approximately \$74,000 per year.



From Left to Right:
Patricia Ballard, Product Safety Engineer; NHDES Commissioner
Thomas Burack; Jerry Heckman, Director of Operations; Jim Rule,
Senior Manufacturing Engineer; and Paul Mitchell, Engineer

Goss International Americas Inc. - Durham

- Goss International Americas Inc. designs and manufactures printing presses and associated equipment for newspaper and commercial publishers.
- The projects highlighted for the award were: chemical reduction in parts washing and paint preparation; water usage reduction; and a complete lighting retrofit.
- Goss reduced their hazardous waste generation by eliminating 405 gallons of hazardous chemicals in the yearly inventory.
- Goss also changed their painting process purchasing chemicals with a lower content, resulting in 695 fewer pounds of discharged to wastewater.

In addition, 314,600 gallons of water and energy were saved in one year, returning company.



From Left to Right
NH DES Commissioner Thomas Burack; Bill Bailey, EHS Manager; Jeff Burrows, Supervisor; and Dale Couture, Paint Shop Group Leader

by
phosphate
nutrients

1,084,115 kWh of
\$120,000 to the

Symmetry Medical PolyVac – Manchester

- Symmetry Medical PolyVac manufactures medical implant, instruments and device cases for a variety of medical markets.
- In the last year, they implemented many environmental initiatives, including a program targeting coolant recovery and a recycling project that optimized cost recovery.
- The company also introduced an Environmental Management System to employees through a series of trainings and workshops.
- Their projects drove a movement to reduce their global footprint while building employee morale, awareness and self-empowerment.



From Left to Right:
NH DES Commissioner Thomas Burack; Ernie Fuller,
Quality Engineer; Alex Grundhoff, Director of Quality;
and Ray Ferland, Facilities Manager

They reduced their chemical usage by 330 gallons and energy by 263,517 kWh and saved the company approximately \$2 million in the last year. In addition, 21.8 tons of polypropylene chips were kept out of landfills through their recycling program.

Wirebelt Company of America – Londonderry

- Wirebelt Company of America is a family owned and operated manufacturer of stainless steel wire belt conveyers and conveyer belting.
- The company incorporated environmental stewardship and responsibility into their business model.
- The company changed their product from a plastic to steel belt that is 100% recyclable and takes less time to clean thus reducing water and chemical usage.
- In addition, they have instituted a "20 by 10 Initiative" that will lead to a 20 percent energy reduction by 2010.



From Left to Right:
NHDES Commissioner Thomas Burack
and Basil Panos, Facility Manager

In the last six years, they have reduced their energy by 200,000 kWh and are still calculating the monetary savings.